#### Case 277: Narrative

Case Vehicle (A): 2000 Honda	Vehicle (B): 2000 Subaru
Type: CRV, 4-door SUV	Type: Legacy Outback, 4-door station wagon
Driver: 53-year-old female	Driver: 35-year-old male
CDC: 12-FREE-3	CDC: 99-0000-0

#### SITUATION

1 Case vehicle (A) was traveling east in the left-turn lane of a five-lane asphalt roadway, and was approaching a three-leg intersection with a two-lane roadway. 2 Vehicle (B) was traveling north in the northbound lane of the intersecting two-lane roadway. It was daylight and the roadway was dry and in good condition. As case vehicle (A) approached the intersection, the driver of vehicle (B) pulled out to make a left turn, and crossed into the path case vehicle (A). The right front of case vehicle (A) struck the left front of vehicle (B). The driver of case vehicle (A) was transported to a local level-one trauma center but was not admitted. The driver of case vehicle (A) had been drinking alcohol and had a BAC of 0.09%. The driver, right-front, and right-rear passengers of vehicle (B) were not transported to a medical facility. Both vehicles were towed due to damage.

# GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

3 The direct-damage length along the front of case vehicle (A) was 32 cm, resulting in 24% vehicle overlap (VOL). It began at the right-front bumper corner and ended below the center of the right headlight assembly. The maximum crush at the bumper level was 26 cm and occurred at the right-front bumper corner. The left wheelbase was reduced 7 cm, and the right wheelbase was reduced 26 cm.

Using the ROLDMISS option of the WinSMASH accident-reconstruction program and  $\underline{4} \underline{5} \underline{6}$  c-values for case vehicle (A), the following impact severities were calculated for the frontal impact to case vehicle (A) and the side impact for vehicle (B):

		Calculated Velocity Change - kph (mph)			
Vehicle	Variable	Total	Longitudinal	Latitudinal	
Case Vehicle (A)	delta V	18 (11)	-18 (-11)	-3 (-2)	
Vehicle (B)	delta V	17 (11)	-3 (-2)	17 (11)	

#### **DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)**

#### **Exterior**

- <u>7</u> Damage to the front of the vehicle includes crush to the bumper, displacement of the bumper fascia, and damage to right headlight assembly. The hood latch was not damaged and did not release. The rear edge of the hood was not elevated and did not contact the windshield.
- <u>8</u> There was crush to the front portion of the right fender and induced damage to the rear portion that extended rearward to the lower A-pillar. The right-front tire was completely deflated and the wheel was displaced rearward, resulting in a 26-cm reduction of the right wheelbase. No other damage was noted to the right side of the vehicle.
- 9 10 No damage was noted to the rear of the vehicle or to the left side of the vehicle.

#### Interior

11 12 13 14 15 This vehicle was equipped with both steering-wheel and passenger frontal-impact airbags, which deployed during the frontal impact. No damage was noted to the airbag skins or 16 17 18 19 20 21 to the module doors/flaps. 22 There was no apparent deformation of the steering-wheel rim or spokes.

23 24 25 26 27 There was no damage to the windshield header, the roof structure, the roof siderails, or the roof-mounted console. The upper-center portion of the windshield was cracked and had an oil deposit from occupant contact. The rearview mirror was knocked off of its mount but was not found in the vehicle. 28 There was no damage to the driver sunvisor. 29 30 A cloth transfer was noted on the far left side of the driver knee bolster. 31 32 A scuff mark and a dent were noted on the right side of the driver knee bolster, just below the ignition switch. The driver seat was not damaged and there was no apparent seat rotation. 33 The front seatbelt pre-tensioners had fired and locked the shoulder belts in the fully retracted position. The seat-adjuster mechanism was not damaged, and the driver seat was in the full-rearward position. No intrusions were noted.

#### OCCUPANT INJURIES AND KINEMATICS

The 5-ft, 6-in, 135-lb, 53-year-old female driver was *not* wearing the available three-point belt, as evidenced by the shoulder belt being locked in the fully retracted position, and 34 the steering-wheel frontal-impact airbag deployed. Her seat was reportedly at a mid-track position, and she had positioned her hands at the 10 and 2 o'clock positions on the steering wheel rim. 35 During the impact, she moved forward into the airbag. Her left knee struck the far left side of the driver knee bolster 29 30 and her right knee struck the right knee bolster just above the accelerator pedal 31 32, but she did not sustain any knee, pelvic, or lower extremity injuries. She sustained an abrasion and contusion to the right side of the forehead at the hairline, probably due to contact by the airbag, but possibly from contact with the windshield. She also sustained a contusion to the left eye, probably from contact by the airbag or from the airbag flinging her right forearm and hand into her face, but possibly from contact with the windshield. She sustained an abrasion and contusion to the right distal medial forearm, probably from contact by the airbag. 36 37 She sustained a contusion to the right elbow, probably from contact by the airbag but possibly from contact with the windshield. She sustained neck and thoracic spine muscle strain, probably from impact forces.

The following table and  $\underline{\bf 38}$  attached drawing summarize the injuries sustained by the driver.

Occupant: Driver	Age:	ge: 53 years		Gender: Female	
	Statu in)	ture: 168 cm (5 ft, 6 Mass: 61 kg (135 lt			(135 lb)
Injury Description		A.I.S.		Injury Source	e
_			Definite	Probable	Possible
Contusion, right side of forehead at hairline		1		Airbag	Windshield
Abrasion, right side of forehead at hairline		1		Airbag	Windshield
Muscle strain, neck		1		Impact forces	_
Muscle strain, thoracic spine		1		Impact forces	
Contusion, distal medial right forearm		1		Airbag	
Abrasion, distal medial right forearm		1		Airbag	
Contusion, right elbow		1		Airbag	Windshield
Contusion, left eye		1	_	Airbag, right forearm/hand (airbag fling)	Windshield
Maximum A.I.S. Level		1			
Injury Severity Score		3			

CASE NO.: 277-01

CASE VEHICLE: 2000 Honda

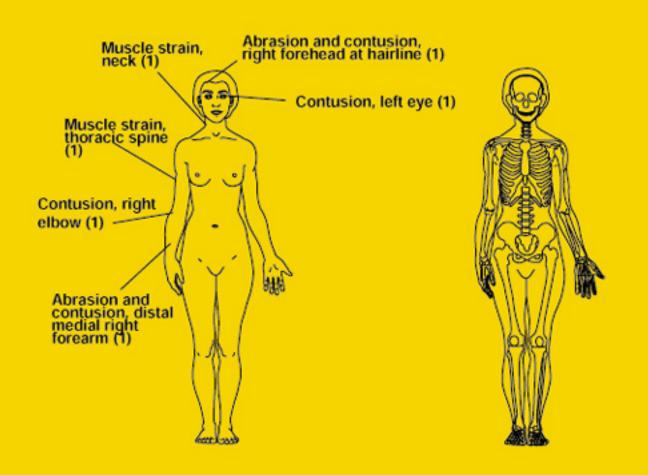
TYPE: CRV, 4-door SUV

OCCUPANT: (Driver): 53-year-old female

STATURE: 168 cm (5 ft, 6 in) MASS: 61 kg (135 lb)

RESTRAINTS: 3-point belt not worn; airbag deployed

SEVERITY: MAIS - 1 : ISS - 3



Light Conditions: Daylight Case No.: 277-01

Weather: Clear Veh. (A): 2000 Honda Type: CRV, 4-door SUV

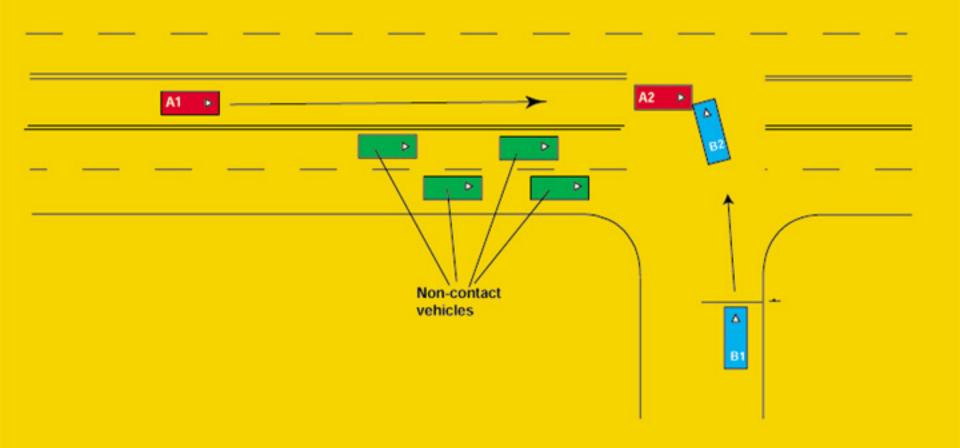
Driver: 53-year-old female

Veh. (B): 2000 Subaru Legacy Outback, 4-door station wagon Road Surface: Dry

Road Construction: Asphalt



#### Speed limit 64 kph (40 mph)



## Vehicle Report

#### General

## Conditions

Variable Number and Name	Code Value Code Description		Other Options
V206 — Urban/Rural Area	1	Urban	more
V207 — Limited Access Highway	0	No	more
V208 — Road Total Lanes	4	4 lanes or more	more
V209 — Intersecting Road Total Lanes	2	2 lanes	more
V210 — Road Surface Type	1	Asphalt	more
V211 — Road Defects	0	No	<u>more</u>
V212 — Construction Zone	0	No	more
V213 — Road Alignment Vertical Plane	1	Level	more
V214 — Road Alignment Horizontal Plane	1	Straight	more
V215 — Surface Covering	10	Dry	more
V216 — Visibility Limitation	0	None	<u>more</u>
V217 — Visibility Obstruction	0	None	<u>more</u>
V218 — Speed Limit	3	61-70 km/h 40 mph	<u>more</u>
V219 — Precipitation Type	0	None	more
V220 — Precipitation Rate	8	Not applicable	<u>more</u>
V221 — Temperature	9	Unknown	more
V222 — Crosswind	9	Unknown	more
V223 — Light Conditions	1	Daylight	more
V224 — Mechanical Malfunction Mention	0	No	more
V225 — Case Vehicle and Object	0	No	more
V226 — Case Vehicle Rollover	0	No	more

V227 — Case Vehicle Ran Off Roadway	0	No	more
V228 — Moving Case Vehicle/Contacted Moving Vehicle	1	Yes	more
V229 — Case Vehicle/Contacted Stopped Vehicle	0	No	more
V230 — Stopped Case Vehicle/Contactd Vehicle	0	No	more
V231 — Total Vehicles Hit By Case Vehicle	1	1 vehicle	<u>more</u>
V232 — Any Fire in Crash	0	No	more
V233 — Max Police Severity-PAR	2	B - Non-Incapacitating Injury	more
V234 — Driver Alcohol Involvement	1	Had been drinking	more
V235 — Driver Alcohol BAC	09	_	
V236 — Driver Impairment Mention	1	Yes	more
V237 — Driven/Towed From Scene	2	Towed Due to Damage	more

#### Other Vehicle

Variable Number and Name	Code Value	Code Description	Other Options
V301 — Other Vehicle VIN	4S3BH6652Y76	_	
V302 — Other Vehicle Manufacturer/Body Code	88227	_	
V303 — Other Vehicle Manufacturer	882	Fugi Heavy Industries (Subaru)	more
V304 — Other Vehicle Body Code	27	Compact 100-104.9 in. wb.	more
V305 — Other Vehicle Make/Model	2626	Legacy	more
V306 — Other Vehicle Model Year	2000	_	
V307 — Other Vehicle Mass	001590 kg	_	
V308 — Other Vehicle Number	0	No separate report	more
V309 — Other Vehicle Number of Occupants	03	_	
V310 — Other Vehicle Traveling Speed	999	Unknown	more
V311 — Highest Police Injury Severity	1	C - Possible Injury	more
V312 — Other Vehicle Type	27	Compact 100-104.9 in. wb.	more
V313 — Other Vehicle Wheelbase (cm)	265 cm	_	
V314 — Average Track Width	147 cm	_	
V315 — Overall Length	476 cm	_	
V316 — Overall Width (OAW)	175 cm	_	
V317 — Front Overhang (FOH)	099 cm	_	
V318 — Rear Overhang (ROH)	112 cm	_	
V319 — Undeformed End Width (UEW)	999	Unknown	more
V320 — Engine Displacement	2.5 <i>l</i>	_	_
V321 — Engine: Number of Cylinders	04		_
V322 — Direct Damage Length (DDL)	999	Unknown	more
V323 — Front-End Overlap % (FEO)	99	Missing or Not applicable	more
V324 — Vehicle Overlap % (VOL)	99	Missing or Not applicable	more

#### General

Variable Number and Name	Code Value	Code Description	Other Options
V401 — VIN	JHLRD1865YC0	_	_
V402 — Manufacturer/Body Code	88114	_	
V403 — Vehicle Manufacturer	881	Honda	more
V404 — Vehicle Body Code	14	_	
V405 — Make/Model Code	2351	_	
V406 — Model Year	2000	_	
V407 — Vehicle Mass	001452 kg	_	
V408 — Odometer Reading	028662 miles	_	
V409 — Number of Occupants	01	_	_
V410 — Traveling Speed	999	Unknown	more
V411 — Body Type	21	Small utility (e.g. Jeep, Scout, Bronco)	more
V412 — Stolen Vehicle	8	Not currently collected	more
V413 — Body Structure	2	Unitized	more
V414 — Transmission Type	1	Automatic	more
V415 — Transmission Lever Location	3	Column	more
V416 — Steering	1	Power	more
V417 — Brakes	1	Power	more
V418 — Brake Type	2	Disc - front wheels	more
V419 — Brake Anti-lock Device	7	Equipped, wheels unknown	more
V420 — Air Conditioning in Vehicle	8	Not currently collected	more
V421 — Drive Type	1	Rear wheel	more
V422 — Dual Rear Wheels	0	No	more
V423 — Original Restraint System Type	3	Airbag	more

V424 — Equipped With Roll Bar	0	No	more
V425 — Roof Type	1	Solid	more
V426 — Wheelbase	262 cm	_	_
V427 — Anti-lacerative Glass	0	None	more
V428 — Average Track Width	153 cm	_	
V429 — Overall Length	440 cm	_	
V430 — Overall Width (OAW)	175 cm	_	
V431 — Front Overhang	084 cm	_	
V432 — Rear Overhang	094 cm	_	
V433 — Undeformed End Width (UEW)	156 cm	_	_
V434 — Engine Displacement	2.0 <i>l</i>	_	_
V435 — Engine: Number of Cylinders	04	_	_
V436 — Direct Damage Length (DDL)	032 cm	_	
V437 — Front End Overlap % (FEO)	21	_	_
V438 — Vehicle Overlap % (VOL)	24	_	

## Damage

## Description

Variable Number and Name	Code Value	Code Description	Other Options
V501 — Maximum Crush - Front	026 cm		
V502 — Maximum Crush - Right Side	000 cm	No crush (or less than 1 cm.)	more
V503 — Maximum Crush - Rear	000 cm	No crush (or less than 1 cm.)	more
V504 — Maximum Crush - Left Side	000 cm	No crush (or less than 1 cm.)	more
V505 — Maximum Crush - Roof	000 cm	No crush (or less than 1 cm.)	more
V506 — Maximum Crush - Other	000 cm	No crush (or less than 1 cm.)	more
V507 — Are Events In Chronological Order	1	Yes	more
V508 — Event 1 Impact Location	1	On Roadway	more
V509 — Event 1 Impact Configuration	13	FRONT of case veh - SIDE of contacted Vehicle	more
V510 — Event 1 Object/Vehicle Contacted	27	Compact 100-104.9 in. wb.	<u>more</u>
V511 — Event 2 Impact Location	8	No 2nd event	more
V512 — Event 2 Impact Configuration	88	No 2nd event	more
V513 — Event 2 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V514 — Event 3 Impact Location	8	No 3rd event	more
V515 — Event 3 Impact Configuration	88	No 3rd event	more
V516 — Event 3 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V517 — Event 4 Impact Location	8	No 4th event	more
V518 — Event 4 Impact Configuration	88	No 4th event	more
V519 — Event 4 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V520 — Event 5 Impact Location	8	No 5th event	more
V521 — Event 5 Impact Configuration	88	No 5th event	more
V522 — Event 5 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V523 — Event 6 Impact Location	8	No 6th event	<u>more</u>

V524 — Event 6 Impact Configuration	88	No 6th event	more
V525 — Event 6 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V526 — Event 7 Impact On Road	8	No 7th event	more
V527 — Event 7 Impact Configuration	88	No 7th event	more
V528 — Event 7 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V529 — Primary CDC Case Vehicle -event Number	1	Event 1	more
V530 — Primary CDC Case Vehicle - impact speed	999	Unknown	<u>more</u>
V531 — Primary CDC Case Vehicle - Estimated By	1	Investigator	<u>more</u>
V532 — Primary CDC Case Vehicle -crush	026	_	_
V533 — Primary CDC Case Vehicle -clock #1	12	12 o'clock	more
V534 — Primary CDC Case Vehicle letter 1 #1	06	F - Front	more
V535 — Primary CDC Case Vehicle letter 2 #1	18	R - Right (Front or Rear)	more
V536 — Primary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	more
V537 — Primary CDC Case Vehicle letter 4 #1	05	E - Corner (extends from corner to = or < 16 in [410mm])	more
V538 — Primary CDC Case Vehicle Extent #1	03	Extent 3	more
V539 — Primary CDC Case Vehicle -CDC #1	12FREE3	_	
V541 — Primary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V542 — Primary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V543 — Primary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V544 — Primary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V545 — Primary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V546 — Primary CDC Case Vehicle -CDC #2	9800000	_	
V547 — Primary CDC Contacted Vehicle - Impact Speed	999	Unknown	<u>more</u>
V548 — Primary CDC Contacted Vehicle - Estimated By	1	Investigator	more
V549 — Primary CDC Contacted Vehicle -crush	999	Unknown	more
V550 — Primary CDC Contacted Vehicle -clock #1	99	Unknown or no damage	more

00	Missing Data/Not applicable	more
00	Missing Data/Not applicable	more
00	Missing Data/Not applicable	<u>more</u>
00	Missing Data/Not applicable	more
00	Missing Data/Not applicable	more
9900000	_	
00	Missing Data/Not applicable	<u>more</u>
00	Missing Data/Not applicable	more
00	Missing Data/Not applicable	more
00	Missing Data/Not applicable	more
00	Missing Data/Not applicable	more
9800000	_	
8	Not applicable	more
998	Not Applicable	more
8	Not applicable (no vehicle/no impact)	more
998	Not Applicable	more
98	Not Applicable	<u>more</u>
00	Missing Data/Not applicable	more
00	Missing Data/Not applicable	more
00	Missing Data/Not applicable	more
00	Missing Data/Not applicable	<u>more</u>
00	Missing Data/Not applicable	<u>more</u>
	00 00 00 00 00 00 00 00 00 8 99800000 88 998 8 998 8 998 00 00 00 00 00 00	Missing Data/Not applicable  Mot applicable  Not Applicable  Not Applicable  Missing Data/Not applicable

V576 — Secondary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	<u>more</u>
V577 — Secondary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	<u>more</u>
V578 — Secondary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	<u>more</u>
V579 — Secondary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	<u>more</u>
V580 — Secondary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	<u>more</u>
V581 — Secondary CDC Case Vehicle -CDC #2	9800000	_	
V582 — Secondary CDC Contacted Vehicle - Impact Speed	998	Not Applicable	more
V583 — Secondary CDC Contacted Vehicle - Estimated By	8	Not applicable (no vehicle/no impact)	more
V584 — Secondary CDC Contacted Vehicle - crush	998	Not Applicable	<u>more</u>
V585 — Secondary CDC Contacted Vehicle - clock #1	98	Not Applicable	<u>more</u>
V586 — Secondary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V587 — Secondary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V588 — Secondary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V589 — Secondary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V590 — Secondary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V591 — Secondary CDC Contacted Vehicle -CDC #1	9800000	_	_
V593 — Secondary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V594 — Secondary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V595 — Secondary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V596 — Secondary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V597 — Secondary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V598 — Secondary CDC Contacted Vehicle -CDC #2	9800000	_	

## **Crash Severity**

Variable Number and Name	Code Value	Code Description	Other Options
V601 — Case Vehicle Primary Impact Number	1	_	_
V602 — Primary Impact Total Delta-V	018 kph	_	_
V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V	-018 kph	_	_
V604 — Primary Case Vehicle Reconstructed Lateral Delta-V	-003 kph	_	_
V605 — Primary Case Vehicle Reconstructed Crush Energy	0014 kJ	_	_
V606 — Primary Impact Case Vehicle - reconstuction	21	Reconstructed, low confidence level	more
V607 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V608 — Primary Contacted Vehicle Reconstructed Total Delta-V	017 kph	_	_
V609 — Primary Contacted Vehicle Reconstructed Longitudinal Delta-V	-003 kph	_	_
V610 — Primary Contacted Vehicle Reconstructed Lateral Delta-V	0017 kph	_	_
V611 — Primary Contacted Vehicle Reconstructed Crush Energy	0055 kJ	_	_
V612 — Case Vehicle Secondary Impact Number	8	_	_
V613 — Secondary Case Vehicle Reconstructed Total Delta-V	888	N/A	more
V614 — Secondary Case Vehicle Reconstructed Longitudinal Delta-V	8888	_	_
V615 — Secondary Case Vehicle Reconstructed Lateral Delta-V	8888	_	_
V616 — Secondary Case Vehicle Reconstructed Crush Energy	8888	_	_
V617 — Secondary Case Vehicle Reconstruction Note	88	_	
V618 — Secondary Case Vehicle Reconstruction Mode	8	Not applicable	more

V619 — Secondary Contacted Vehicle Reconstructed Total Delta-V	888	N/A	more
V620 — Secondary Contacted Vehicle Reconstructed Longitudinal Delta-V	8888	_	_
V621 — Secondary Contacted Vehicle Reconstructed Lateral Delta-V	8888	_	_
V622 — Secondary Contacted Vehicle Reconstructed Crush Energy	8888	_	_
V623 — Case Vehicle Primary Impact Number	1		_
V624 — Primary Case Vehicle Reconstructed Total EBS	016 kph	_	_
V625 — Primary Case Vehicle Reconstructed Longitudinal EBS	-016 kph	_	
V626 — Primary Case Vehicle Reconstructed Lateral EBS	-003 kph	_	
V627 — Primary Case Vehicle Reconstructed Crush Energy	0016 kJ	_	_
V628 — Primary Case Vehicle Reconstruction Note	21	Reconstructed, low confidence level	more
V629 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V630 — Primary Contacted Vehicle Reconstruction Total EBS	999	Unknown	more
V631 — Primary Contacted Vehicle Reconstruction Longitudinal EBS	9999	_	
V632 — Primary Contacted Vehicle Reconstruction Lateral EBS	9999	_	
V633 — Primary Contacted Vehicle Reconstruction Crush Energy	9999	_	_
V634 — Case Vehicle Secondary Impact Number	8	Not applicable	more
V635 — Secondary Case Vehicle Reconstruction Total EBS	888	N/A	more
V636 — Secondary Case Vehicle Reconstruction Longitudinal EBS	8888	_	_
V637 — Secondary Case Vehicle Reconstruction Lateral EBS	8888	_	
V638 — Secondary Case Vehicle Reconstruction Crush Energy	8888	_	
V639 — Secondary Case Vehicle	88	_	

Reconstruction Note			
V640 — Secondary Case Vehicle Reconstruction Mode	8	Not applicable	more
V641 — Secondary Contacted Vehicle Reconstruction Total EBS	888	N/A	more
V642 — Secondary Contacted Vehicle Reconstruction Longitudinal EBS	8888	_	_
V643 — Secondary Contacted Vehicle Reconstruction Lateral EBS	8888	_	_
V644 — Secondary Contacted Vehicle Reconstruction Crush Energy	8888	_	_
V645 — Case Vehicle Reconstructed Impact Number	1	_	
V646 — Case Vehicle Impact 1 Plane	1	Bumper	more
V647 — Case Vehicle Impact 1 Direct Damage Length [DDL]	032 cm	_	_
V648 — Case Vehicle Impact 1 Max Crush	026 cm	_	
V649 — Case Vehicle Impact 1 Field-L	156 cm	_	_
V650 — Case Vehicle Impact 1 C1	000 cm	No Crush	more
V651 — Case Vehicle Impact 1 C2	000 cm	No Crush	more
V652 — Case Vehicle Impact 1 C3	000 cm	No Crush	more
V653 — Case Vehicle Impact 1 C4	000 cm	No Crush	more
V654 — Case Vehicle Impact 1 C5	000 cm	No Crush	more
V655 — Case Vehicle Impact 1 C6	026 cm	_	
V656 — Case Vehicle Impact 1 +/- D	0062 cm	_	
V657 — Case Vehicle Reconstructed Impact Number	9	Unknown	more
V658 — Case Vehicle Impact 2 Plane	9	Unknown	more
V659 — Case Vehicle Impact 2 Direct Damage Length [DDL]	999	Unknown	more
V660 — Case Vehicle Impact 2 Max Crush	999	Unknown	more
V661 — Case Vehicle Impact 2 Field-L	999	Unknown	more
V662 — Case Vehicle Impact 2 C1	999	Unknown	more
V663 — Case Vehicle Impact 2 C2	999	Unknown	more
V664 — Case Vehicle Impact 2 C3	999	Unknown	more

	-		
V665 — Case Vehicle Impact 2 C4	999	Unknown	more
V666 — Case Vehicle Impact 2 C5	999	Unknown	more
V667 — Case Vehicle Impact 2 C6	999	Unknown	more
V668 — Case Vehicle Impact 2 +/- D	9999	_	_
V669 — Other Vehicle Reconstructed Impact Number	9	Unknown	more
V670 — Other Vehicle Impact 1 Plane	9	Unknown	more
V671 — Other Vehicle Impact 1 Direct Damage Length [DDL]	999	Unknown	more
V672 — Other Vehicle Impact 1 Max Crush	999	Unknown	more
V673 — Other Vehicle Impact 1 Field-L	999	Unknown	more
V674 — Other Vehicle Impact 1 C1	999	Unknown	more
V675 — Other Vehicle Impact 1 C2	999	Unknown	more
V676 — Other Vehicle Impact 1 C3	999	Unknown	more
V677 — Other Vehicle Impact 1 C4	999	Unknown	more
V678 — Other Vehicle Impact 1 C5	999	Unknown	more
V679 — Other Vehicle Impact 1 C6	999	Unknown	more
V680 — Other Vehicle Impact 1 +/- D	9999	_	_
V681 — Other Vehicle Reconstructed Impact Number	9	Unknown	more
V682 — Other Vehicle Impact 2 Plane	9	Unknown	more
V683 — Other Vehicle Impact 2 Direct Damage Length [DDL]	999	Unknown	more
V684 — Other Vehicle Impact 2 Max Crush	999	Unknown	more
V685 — Other Vehicle Impact 2 Field-L	999	Unknown	more
V686 — Other Vehicle Impact 2 C1	999	Unknown	more
V687 — Other Vehicle Impact 2 C2	999	Unknown	more
V688 — Other Vehicle Impact 2 C3	999	Unknown	more
V689 — Other Vehicle Impact 2 C4	999	Unknown	more
V690 — Other Vehicle Impact 2 C5	999	Unknown	more
V691 — Other Vehicle Impact 2 C6	999	Unknown	more
V692 — Other Vehicle Impact 2 +/- D	9999	_	_

#### Tires & Rims

Variable Number and Name	Code Value	Code Description	Other Options
V701 — Left Front Wheel Damaged	0	No	more
V702 — Right Front Wheel Damaged	1	Yes	more
V703 — Right Rear Wheel Damaged	0	No	more
V704 — Left Rear Wheel Damaged	0	No	more
V705 — Left Front Tire Tread Type	4	All Weather	more
V706 — Right Front Tire Tread Type	4	All Weather	more
V707 — Right Rear Tire Tread Type	4	All Weather	more
V708 — Left Rear Tire Tread Type	4	All Weather	more
V709 — Left Front Carcass Construction	3	Radial	more
V710 — Right Front Carcass Construction	3	Radial	more
V711 — Right Rear Carcass Construction	3	Radial	more
V712 — Left Rear Carcass Construction	3	Radial	more
V717 — Left Front Tire Size	P205R15	_	_
V718 — Right Front Tire Size	P205R15	_	_
V719 — Right Rear Tire Size	P205R15	_	_
V720 — Left Rear Tire Size	P205R15		_

## Fuel, Tank, Fire

Variable Number and Name	Code Value	Code Description	Other Options
V801 — Propulsive Fuel Type	1	Gasoline	more
V802 — Main Tank Location	322	Within frame/centered laterally - within vertically	more
V803 — Main Filler Cap Location	113	Left of frame laterally - above vertically	more
V804 — Main Tank Material	1	Steel	more
V805 — Aux Tank Type	8	Not applicable (not equipped)	more
V806 — Aux Tank Location	888	Not applicable (not equipped)	more
V807 — Aux Filler Cap Location	888	Not applicable (not equipped)	more
V808 — Aux Tank Material	8	Not applicable	more
V901 — Fuel Leakage From Crash	0	No	more
V1001 — Fire In Or On Case Vehicle	0	No	more

#### **Exterior**

Variable Number and Name	Code Value	Code Description	Other Options
V1101 — Hood Latch Released	0	No	more
V1102 — Hood Latch Damaged	0	No	more
V1103 — Hood Latch Jammed	8	Not applicable	more
V1104 — Left Hood Hinge Damaged	0	No	more
V1105 — Left Hood Hinge Separated	8	Not applicable	more
V1106 — Right Hood Hinge Damaged	0	No	more
V1107 — Right Hood Hinge Separated	8	Not applicable	more
V1108 — Hood Remained On Vehicle	1	Yes	more
V1109 — Rear Hood Edge Elevated	0	No	more
V1110 — Edge Contacted Windshield	0	No	more
V1111 — Edge Penetrated Windshield	8	Not applicable	more
V1112 — Hood Latch Location	1	Front of Vehicle	more
V1113 — Eng/Transmissn Mount Separation	0	No	more
V1114 — Steerng Column Flex Coupling	9	Unknown if equipped	more
V1115 — Steerng Column Coupling Damaged	9	Unknown	more
V1116 — Steerng Column Coupling Separated	9	Unknown	more
V1117 — Eng Comp Telescopng Unit	88	Not collected	more
V1118 — Comp Orig/Telescopd Diff	888	Not collected	more
V1119 — Left Side Body Mount Separation	8	Not applicable (unitized)	more

V1120 — Upper Left A-pillar Separation	0	No	more
V1121 — Lower Left A-pillar Separation	0	No	more
V1122 — Upper Left B-pillar Separation	0	No	more
V1123 — Lower Left B-pillar Separation	0	No	more
V1124 — Upper Left C-pillar Separation	0	No	more
V1125 — Lower Left C-pillar Separation	0	No	more
V1126 — Upper Left D-pillar Separation	0	No	more
V1127 — Lower Left D-pillar Separation	0	No	more
V1128 — Left Front Door Opening Cause	0	Door did not open	more
V1129 — Left Rear Door Opening Cause	0	Door did not open	more
V1130 — Left Front Door Jammed Closed	0	No	more
V1131 — Left Rear Door Jammed Closed	0	No	more
V1132 — Rear Door Type	3	Two-way tailgate	more
V1133 — Rear Door Opening Cause	0	Door did not open	more
V1134 — Rear Door Jammed Closed	0	No	more
V1135 — Luggage Partition Damagd	8	Not applicable	more
V1136 — Spare Tire Status	8	Not collected	more
V1137 — Trailer Hitch Type	0	No hitch	more
V1138 — Trailer Type	0	No trailer	more
V1139 — Right Side Body Mount Separation	8	Not applicable (unitized)	more
V1140 — Upper Right A-pillar Separation	0	No	more
V1141 — Lower Right A-pillar Separation	0	No	more
V1142 — Upper Right B-pillar	0	No	more

Separation			
V1143 — Lower Right B-pillar Separation	0	No	more
V1144 — Upper Right C-pillar Separation	0	No	more
V1145 — Lower Right C-pillar Separation	0	No	more
V1146 — Upper Right D-pillar Separation	0	No	more
V1147 — Lower Right D-pillar Separation	0	No	more
V1148 — Right Front Door Opening Cause	00	Door did not open	more
V1149 — Right Rear Door Opening Cause	00	Door did not open	more
V1150 — Right Front Door Jammed Closed	0	No	more
V1151 — Right Rear Door Jammed Closed	0	No	more
V1152 — Van Rear Door Type	8	Not applicable (not a van)	more
V1153 — Windshield Cracked	1	Yes	more
V1154 — Windshield Broken	0	No	more
V1155 — Windshield Cracked or Broken by Occupant	1	Yes	more
V1156 — Bond Separation Extent	0	None	more
V1157 — Windshield Code	97	_	_
V1158 — Did Sun/T Roof Open	8	Not Applicable	more

## Steering

## Column/Rim

Variable Number and Name	Code Value	Code Description	Other Options
V1201 — Steering Wheel Rim Damage	0	None	more
V1202 — Number of Steering Wheel Spokes	4	4 spokes	more
V1203 — Steering Wheel Spoke Damage	0	None	more
V1204 — Column Tilt Feature	2	Up	more
V1205 — Column Swing-away Feature	0	Not equipped	more
V1206 — Column Telescoping Feature	0	Not equipped	more
V1207 — Wheel Energy Absorb Device	8	Not collected	more
V1208 — Wheel Ea Orig/Damaged Diff	888	Not collected	more
V1209 — Column Energy Absorb Device	88	Not collected	more
V1210 — Column Ea Orig/Comprss Diff	888	Not collected	more
V1211 — Shear Capsule Separation	888	Not collected	more
V1212 — Column Vertical Rotation	0	No apparent rotation	more
V1213 — Column Lateral Rotation	0	No apparent rotation	more
V1214 — Steering Wheel Hub Damage	0	None	more

#### **Case Vehicle Intrusion**

Variable Number and Name	Code Value	Code Description	Other Options
V1301 — Occupant Compartment Intrusion	0	No	more
V1302 — Was Intrusion Catastrophic	8	Not applicable	more
V1303 — Intrusion Number 01	00	No Intrusion, None	more
V1304 — Intrusion 01 Occupant Space Number	00	No Intrusion, None	more
V1305 — Intrusion 01 Intruding Object	00	No Intrusion, None	more
V1306 — Intrusion 01 Assoc Event Number	0	No Intrusion, None	more
V1307 — Intrusion 01 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1308 — Intrusion 01 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1309 — Intrusion 01 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1310 — Intrusion 01 Occupant Number	00	No contact or no intrusion	more
V1311 — Intrusion 01 Injury Number	00	No injury or no intrusion	more
V1312 — Intrusion 01 Occupant Number	00	No contact or no intrusion	more
V1313 — Intrusion 01 Injury Number	99	Contact, injury unknown or data not collected	more
V1314 — Intrusion Number 02	00	No Intrusion, None	more
V1315 — Intrusion 02 Occupant Space Number	00	No Intrusion, None	more
V1316 — Intrusion 02 Intruding Object	00	No Intrusion, None	more
V1317 — Intrusion 02 Assoc Event Number	0	No Intrusion, None	more
V1318 — Intrusion 02 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1319 — Intrusion 02 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1320 — Intrusion 02 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1321 — Intrusion 02 Occupant Number	00	No contact or no intrusion	more
V1322 — Intrusion 02 Injury Number	00	No injury or no intrusion	more
V1323 — Intrusion 02 Occupant Number	00	No contact or no intrusion	more
V1324 — Intrusion 02 Injury Number	99	Contact, injury unknown or	more

		data not collected	
V1325 — Intrusion Number 03	00	No Intrusion, None	more
V1326 — Intrusion 03 Occupant Space Number	00	No Intrusion, None	more
V1327 — Intrusion 03 Intruding Object	00	No Intrusion, None	more
V1328 — Intrusion 03 Assoc Event Number	0	No Intrusion, None	more
V1329 — Intrusion 03 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1330 — Intrusion 03 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1331 — Intrusion 03 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1332 — Intrusion 03 Occupant Number	00	No contact or no intrusion	more
V1333 — Intrusion 03 Injury Number	00	No injury or no intrusion	more
V1334 — Intrusion 03 Occupant Number	00	No contact or no intrusion	more
V1335 — Intrusion 03 Injury Number	99	Contact, injury unknown or data not collected	more
V1336 — Intrusion Number 04	00	No Intrusion, None	more
V1337 — Intrusion 04 Occupant Space Number	00	No Intrusion, None	more
V1338 — Intrusion 04 Intruding Object	00	No Intrusion, None	more
V1339 — Intrusion 04 Assoc Event Number	0	No Intrusion, None	more
V1340 — Intrusion 04 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1341 — Intrusion 04 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1342 — Intrusion 04 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1343 — Intrusion 04 Occupant Number	00	No contact or no intrusion	more
V1344 — Intrusion 04 Injury Number	00	No injury or no intrusion	more
V1345 — Intrusion 04 Occupant Number	00	No contact or no intrusion	more
V1346 — Intrusion 04 Injury Number	99	Contact, injury unknown or data not collected	more
V1347 — Intrusion Number 05	00	No Intrusion, None	more
V1348 — Intrusion 05 Occupant Space Number	00	No Intrusion, None	more
V1349 — Intrusion 05 Intruding Object	00	No Intrusion, None	more
V1350 — Intrusion 05 Assoc Event Number	0	No Intrusion, None	more

V1351 — Intrusion 05 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<u>more</u>
V1352 — Intrusion 05 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1353 — Intrusion 05 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1354 — Intrusion 05 Occupant Number	00	No contact or no intrusion	more
V1355 — Intrusion 05 Injury Number	00	No injury or no intrusion	more
V1356 — Intrusion 05 Occupant Number	00	No contact or no intrusion	more
V1357 — Intrusion 05 Injury Number	99	Contact, injury unknown or data not collected	<u>more</u>
V1358 — Intrusion Number 06	00	No Intrusion, None	more
V1359 — Intrusion 06 Occupant Space Number	00	No Intrusion, None	<u>more</u>
V1360 — Intrusion 06 Intruding Object	00	No Intrusion, None	more
V1361 — Intrusion 06 Assoc Event Number	0	No Intrusion, None	more
V1362 — Intrusion 06 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1363 — Intrusion 06 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<u>more</u>
V1364 — Intrusion 06 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1365 — Intrusion 06 Occupant Number	00	No contact or no intrusion	more
V1366 — Intrusion 06 Injury Number	00	No injury or no intrusion	more
V1367 — Intrusion 06 Occupant Number	00	No contact or no intrusion	more
V1368 — Intrusion 06 Injury Number	99	Contact, injury unknown or data not collected	<u>more</u>
V1369 — Intrusion Number 07	00	No Intrusion, None	more
V1370 — Intrusion 07 Occupant Space Number	00	No Intrusion, None	<u>more</u>
V1371 — Intrusion 07 Intruding Object	00	No Intrusion, None	<u>more</u>
V1372 — Intrusion 07 Assoc Event Number	0	No Intrusion, None	<u>more</u>
V1373 — Intrusion 07 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1374 — Intrusion 07 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1375 — Intrusion 07 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1376 — Intrusion 07 Occupant Number	00	No contact or no intrusion	more
V1377 — Intrusion 07 Injury Number	00	No injury or no intrusion	more
V1378 — Intrusion 07 Occupant Number	00	No contact or no intrusion	more

V1379 — Intrusion 07 Injury Number	99	Contact, injury unknown or data not collected	more
V1380 — Intrusion Number 08	00	No Intrusion, None	more
V1381 — Intrusion 08 Occupant Space Number	00	No Intrusion, None	<u>more</u>
V1382 — Intrusion 08 Intruding Object	00	No Intrusion, None	more
V1383 — Intrusion 08 Assoc Event Number	0	No Intrusion, None	more
V1384 — Intrusion 08 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1385 — Intrusion 08 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1386 — Intrusion 08 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1387 — Intrusion 08 Occupant Number	00	No contact or no intrusion	more
V1388 — Intrusion 08 Injury Number	00	No injury or no intrusion	more
V1389 — Intrusion 08 Occupant Number	00	No contact or no intrusion	more
V1390 — Intrusion 08 Injury Number	99	Contact, injury unknown or data not collected	more
V1391 — Intrusion Number 09	00	No Intrusion, None	<u>more</u>
V1392 — Intrusion 09 Occupant Space Number	00	No Intrusion, None	<u>more</u>
V1393 — Intrusion 09 Intruding Object	00	No Intrusion, None	<u>more</u>
V1394 — Intrusion 09 Assoc Event Number	0	No Intrusion, None	<u>more</u>
V1395 — Intrusion 09 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1396 — Intrusion 09 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1397 — Intrusion 09 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1398 — Intrusion 09 Occupant Number	00	No contact or no intrusion	<u>more</u>
V1399 — Intrusion 09 Injury Number	00	No injury or no intrusion	more
V1400 — Intrusion 09 Occupant Number	00	No contact or no intrusion	more
V1401 — Intrusion 09 Injury Number	99	Contact, injury unknown or data not collected	more
V1402 — Intrusion Number 10	00	No Intrusion, None	more
V1403 — Intrusion 10 Occupant Space Number	00	No Intrusion, None	more
V1404 — Intrusion 10 Intruding Object	00	No Intrusion, None	<u>more</u>
V1405 — Intrusion 10 Assoc Event Number	0	No Intrusion, None	<u>more</u>

V1406 — Intrusion 10 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1407 — Intrusion 10 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1408 — Intrusion 10 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1409 — Intrusion 10 Occupant Number	00	No contact or no intrusion	more
V1410 — Intrusion 10 Injury Number	00	No injury or no intrusion	more
V1411 — Intrusion 10 Occupant Number	00	No contact or no intrusion	more
V1412 — Intrusion 10 Injury Number	99	Contact, injury unknown or data not collected	more
V1413 — Door Intrusion Number 01	88	Not Applicable	more
V1414 — Door Intrusion Number 01 Cause	8	Not applicable	more
V1415 — Door Intrusion Number 02	88	Not Applicable	more
V1416 — Door Intrusion Number 02 Cause	8	Not applicable	more
V1417 — Door Intrusion Number 03	88	Not Applicable	more
V1418 — Door Intrusion Number 03 Cause	8	Not applicable	more
V1419 — Door Intrusion 01 Component	88	Not Applicable	more
V1420 — Door Intrusion 01 Component Damaged 1	8	Not Applicable	more
V1421 — Door Intrusion 01 Component Damaged 2	8	Not Applicable	more
V1422 — Door Intrusion 02 Component	88	Not Applicable	more
V1423 — Door Intrusion 02 Component Damaged 1	8	Not Applicable	more
V1424 — Door Intrusion 02 Component Damaged 2	8	Not Applicable	more
V1425 — Door Intrusion 03 Component	88	Not Applicable	more
V1426 — Door Intrusion 03 Component Damaged 1	8	Not Applicable	more
V1427 — Door Intrusion 03 Component Damaged 2	8	Not Applicable	more
V1428 — Door Intrusion 04 Component	88	Not Applicable	more
V1429 — Door Intrusion 04 Component Damaged 1	8	Not Applicable	more
V1430 — Door Intrusion 04 Component Damaged 2	8	Not Applicable	more

## Case Vehicle Airbag(s)

Variable Number and Name	Code Value	Code Description	Other Options
V1501 — Driver Airbag Equipped	1	Yes	more
V1502 — Driver Airbag Deployed	1	Yes	more
V1503 — Driver Airbag Condition	0	No Damage	more
V1504 — Passenger Airbag Equip	1	Yes	more
V1505 — Passenger Airbag Deployed	1	Yes	more
V1506 — Passenger Airbag Condition	0	No Damage	more
V1507 — Steering Wheel Airbag Tether	1	Yes	more
V1508 — Driver Airbag Marked By Contact	0	No	more
V1509 — Passenger Airbag Tether	0	No	more
V1510 — Passenger Airbag Marked By Contact	0	No	more

#### Interior

Variable Number and Name	Code Value	Code Description	Other Options
V1601 — Left Front Door Damaged	0	No	more
V1602 — Right Front Door Damaged	0	No	more
V1603 — Left Front Hardware Damaged	0	No	more
V1604 — Right Front Hardware Damaged	0	No	more
V1605 — Left Front Armrest Damaged	0	No	more
V1606 — Right Front Armrest Damaged	0	No	more
V1607 — Left Front Glass Damaged	0	No	<u>more</u>
V1608 — Right Front Glass Damaged	0	No	more
V1609 — Left Rear Door Area Damaged	0	No	more
V1610 — Right Rear Door Area Damaged	0	No	more
V1611 — Left Rear Hardware Damaged	0	No	more
V1612 — Right Rear Hardware Damaged	0	No	more
V1613 — Left Rear Armrest Damaged	0	No	more
V1614 — Right Rear Armrest Damaged	0	No	more
V1615 — Left Rear Glass Damaged	0	No	more
V1616 — Right Rear Glass Damaged	0	No	more
V1617 — Left Roof Side Rail Damaged	0	No	more
V1618 — Right Roof Side Rail Damaged	0	No	more

V1619 — Left B-pillar Damaged	0	No	more
V1620 — Right B-pillar Damaged	0	No	more
V1621 — Left C-pillar Damaged	0	No	more
V1622 — Right C-pillar Damaged	0	No	more
V1623 — Left D-pillar Damaged	0	No	more
V1624 — Right D-pillar Damaged	0	No	more
V1625 — Left Headlining Damaged	0	No	more
V1626 — Right Headlining Damaged	0	No	more
V1627 — Left Roof Structure Damaged	0	No	more
V1628 — Right Roof Structure Damaged	0	No	more
V1629 — Left T/Sun Roof Damaged	8	Not applicable	more
V1630 — Right T/Sun Roof Damaged	8	Not applicable	more
V1631 — Other Left Side Item Damagd	8	Not applicable	more
V1632 — Other Right Side Item Damagd	8	Not applicable	more
V1633 — Foot Controls Damaged	0	No	more
V1634 — Ignition Key Damaged	0	No	more
V1635 — Rear View Mirror Damaged	1	Yes	more
V1636 — Sunvisor/Fitting Damaged	0	No	more
V1637 — Windshield Molding Damaged	0	No	more
V1638 — Left A-pillar Damaged	0	No	more
V1639 — Right A-pillar Damaged	0	No	more
V1640 — Center Console Damaged	0	No	more
V1641 — Transmission Lever Damaged	0	No	more
V1642 — Horn/Spoke Shroud Damagd	0	No	more
V1643 — Upper Panel Damaged	0	No	more

V1644 — Mid Panel Damaged	0	No	more
V1645 — Lower Panel Damaged	4	Yes, occupant contact	<u>more</u>
V1646 — Ashtray Damaged	0	No	<u>more</u>
V1647 — Control Knob/Lever Damaged	0	No	more
V1648 — Glove Compartment Area Damaged	0	No	more
V1649 — Instruments Damaged	0	No	more
V1650 — Park Brake Release Damaged	0	No	more
V1651 — Park Brake Pedal Damaged	0	No	more
V1652 — A/C Or Upper Vent Damaged	0	No	more
V1653 — Heater Or A/C Duct Damaged	0	No	more
V1654 — Radio Damaged	0	No	more
V1655 — Other Item Damaged	8	Not applicable	more
V1656 — Rear Window Damaged	0	No	more
V1657 — Rear Window Header Damaged	0	No	more
V1658 — Vertical Console Damaged	0	No	more
V1659 — Roof Console Damaged	0	No	more

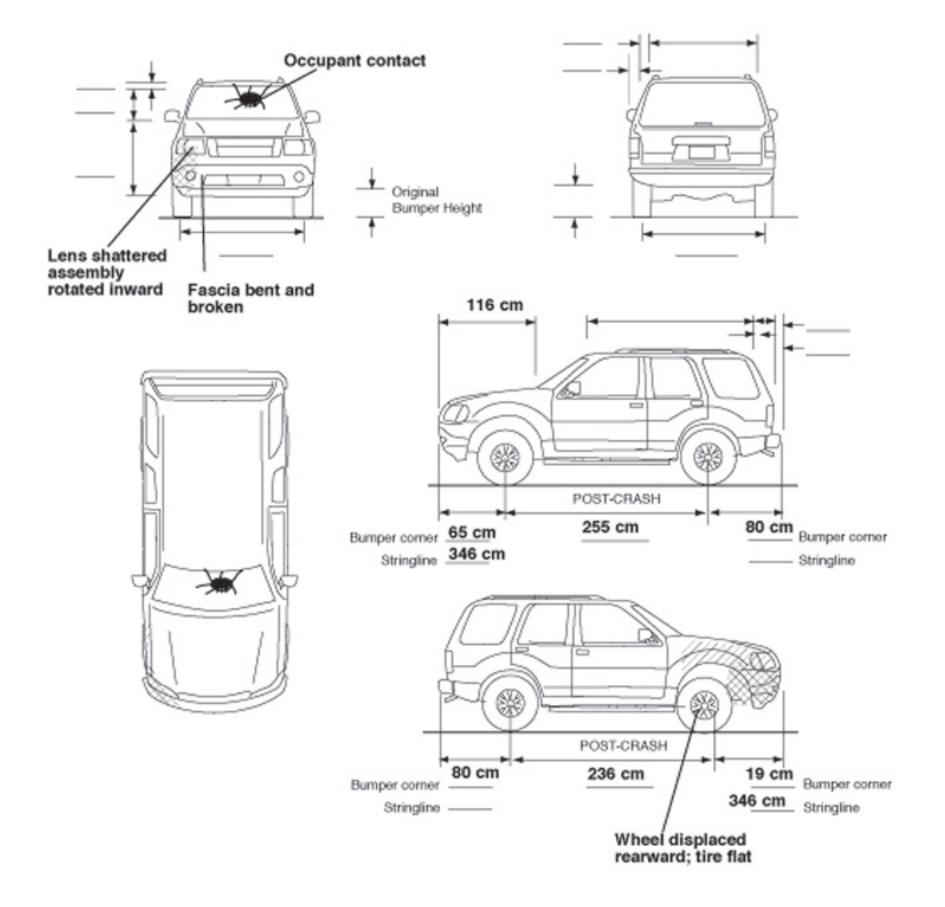
#### **Seats**

Variable Number and Name	Code Value	Code Description	Other Options
V1701 — Driver Front Seat Type	05	Bucket	more
V1702 — Passenger Front Seat Type	05	Bucket	more
V1703 — Driver Seat Mount Type	1	Standard	more
V1704 — Passenger Seat Mount Type	1	Standard	more
V1705 — Driver Swivel Mechanism Equipped	0	No	more
V1706 — Passenger Swivel Mechanism Equipped	0	No	more
V1707 — Driver Seat Original Equipment	1	Yes	more
V1708 — Passenger Seat Original Equipment	1	Yes	more
V1709 — Driver Seat/Rear Occupant Contact	8	Not applicable	more
V1710 — Passenger Seat/Rear Occupant Contact	8	Not applicable	more
V1711 — Driver Seat Damage	0	None	more
V1712 — Passenger Seat Damage	0	None	more
V1713 — Center Front Armrest Damaged	8	Not applicable (no center armrest)	more
V1714 — Driver Seat Rotation	0	None apparent	more
V1715 — Passenger Seat Rotation	0	None apparent	more
V1716 — Driver Seat-back Type	3	Reclining	more
V1717 — Passenger Seat-back Type	3	Reclining	more
V1718 — Driver Seat-back Lock Type	1	Manual	more
V1719 — Passenger Seat-back Lock Type	1	Manual	more
V1720 — Driver Seat-back Lock Held	1	Yes	more
V1721 — Passenger Seat-back Lock Held	1	Yes	more
V1722 — Driver Recliner Mechanism Held	1	Yes	more

V1723 — Passenger Recliner Mechanism Held	1	Yes	more
V1724 — Driver Head Restraint Type	1	Adjustable	more
V1725 — Passenger Head Restraint Type	1	Adjustable	more
V1726 — Driver Head Rest Removed	0	No	more
V1727 — Passenger Head Rest Removed	0	No	more
V1728 — Driver Head Rest Adjustment	1	Up	more
V1729 — Passenger Head Rest Adjustment	1	Up	more
V1730 — Driver Head Rest Damage	0	None	more
V1731 — Passenger Head Rest Damage	0	None	more
V1732 — Driver Seat Adjustment Type	1	Manual	<u>more</u>
V1733 — Passenger Seat Adjustment Type	1	Manual	<u>more</u>
V1734 — Driver Seat Adjustment Provided	2	4-way	more
V1735 — Passenger Seat Adjustment Provided	2	4-way	more
V1736 — Driver Seat Adjuster Damage	0	None	more
V1737 — Passenger Seat Adjuster Damage	0	None	more
V1738 — Driver Seat Adjuster Separation	8	Not applicable	more
V1739 — Passenger Seat Adjuster Separation	8	Not applicable	more
V1740 — Driver Seat Pre-crash Position	2	Middle	more
V1741 — Passenger Seat Pre-crash Position	3	Rearward	more
V1742 — Left Rear Seat Type	2	Folding	more
V1743 — Right Rear Seat Type	2	Folding	more
V1744 — Left Rear Seat Damaged	0	None	more
V1745 — Right Rear Seat Damaged	0	None	more
V1746 — Center Rear Armrest Damaged	0	No	more
V1747 — Left Rear Seat-back Left Lock Equipped	1	Yes	more
V1748 — Right Rear Seat-back Left Lock Equipped	0	No	more

V1749 — Left Rear Seat-back Left Lock Held	0	No	more
V1750 — Right Rear Seat-back Left Lock Held	8	Not applicable	more
V1751 — Left Rear Seat-back Right Lock Equipped	0	No	more
V1752 — Right Rear Seat-back Right Lock Equipped	1	Yes	more
V1753 — Left Rear Seat-back Right Lock Held	8	Not applicable	more
V1754 — Right Rear Seat-back Right Lock Held	0	No	more
V1755 — Left 3rd Seat Equipped	0	No	more
V1756 — Right 3rd Seat Equipped	0	No	more
V1757 — Left 3rd Seat Backrest Damaged	8	Not applicable	more
V1758 — Right 3rd Seat Backrest Damaged	8	Not applicable	more
V1759 — Left 3rd Seat Cushion Damaged	8	Not applicable	more
V1760 — Right 3rd Seat Cushion Damaged	8	Not applicable	more
V1761 — Rear Head Restraints	1	Equipped	more

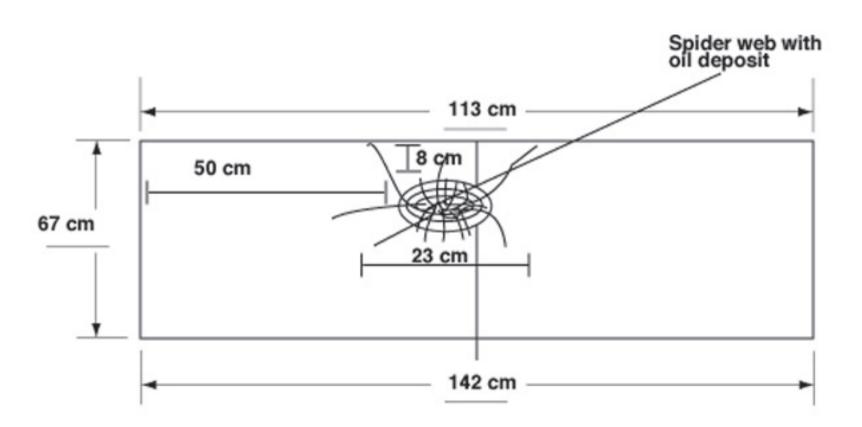
#### MEASUREMENTS IN CENTIMETERS



#### WINDSHIELD MARK ON CASE VEHICLE:







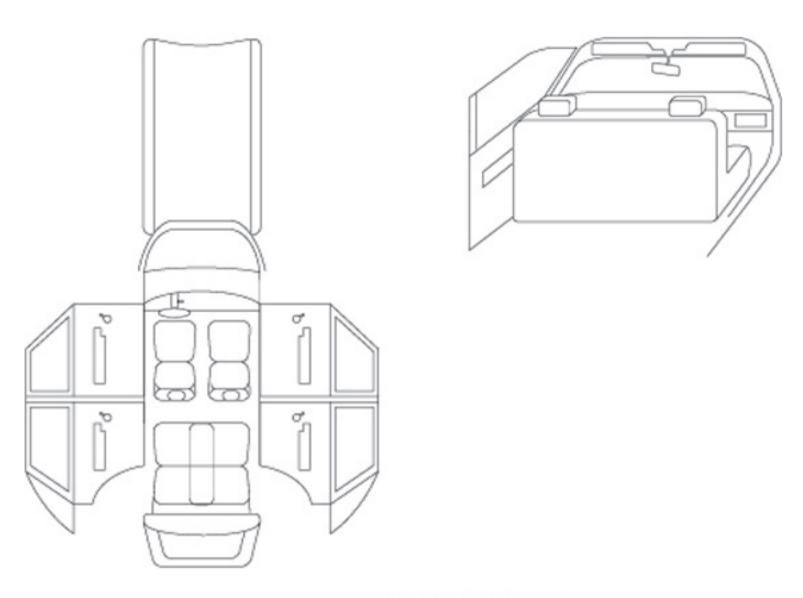
#### 1 = Definitely 2 = Probably 3 = Possible

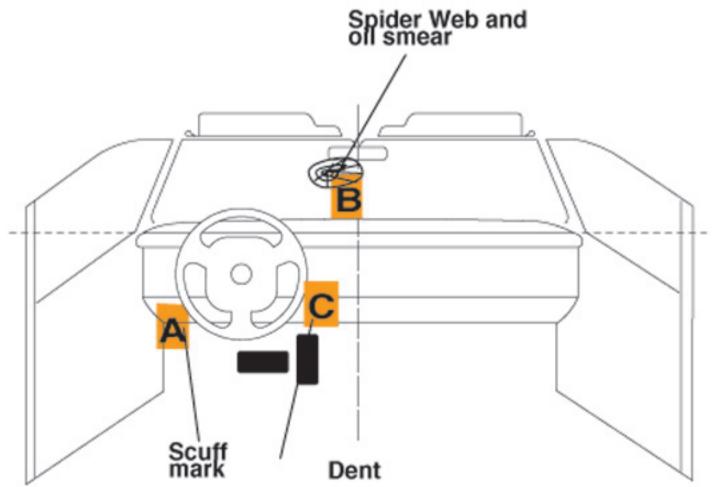
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		(All Me	easuren	nents Are in C	Centime	eters)	Dominant
Location of Intrusion	Intruded Component	Comparison Value	-	Intruded Value	=	Intrusion	Crush Direction
	None Apparent		_		=		
			_		=		
			_		=		
			_		=		
			_		=		
			_		=		
			_		=		
			_		=		
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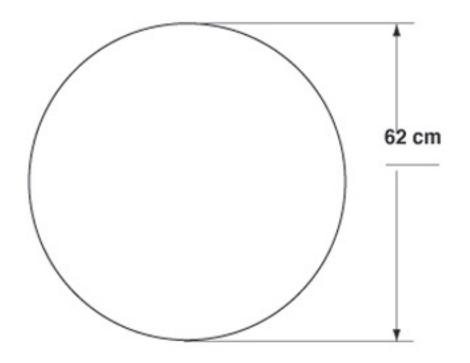
#### OCCUPANT CONTACT WORKSHEET

	Intorior	Occupant	Pody		Confidence Level of
	Interior Component	Occupant No. if	Body Region		Contact
Contact	Contacted	Known	if Known	Supporting Physical Evidence	Point
А	Knee bolster	1	Knee	Scuff mark	1
В	Windshield	1	Head	Spider web & oil smear	1
С	Knee bolster	1	Knee	Dent	3
D					
Е					
F					
G					
Н					
I					

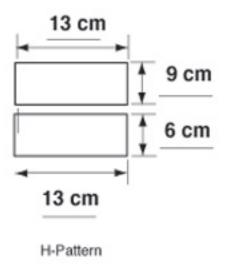




#### Driver Airbag



#### **Driver Airbag Doors**



Vents: Y N
if yes, how many: 2

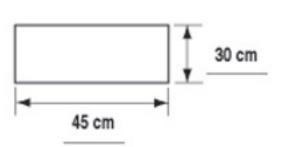
Tethers: Y N
if yes, how many: 2

#### Passenger Airbag

# 56 cm 60 cm 45 cm

Passenger Airbag Doors

Single Door



Vents: 

N

if yes, how many: 

1

Tethers: Y 
if yes, how many: \_\_\_\_\_

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	more
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	more
V2103 — 2nd Prob Contact Area	12	Windshield	more
V2104 — Primary OIC -body Region	06	Face	more
V2105 — Primary OIC -aspect	19	Superior/upper	more
V2106 — Primary OIC -lesion	01	Abrasion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	FSAI1	_	_
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	_	_	_

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	02	Injury #2	more
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	more
V2103 — 2nd Prob Contact Area	12	Windshield	more
V2104 — Primary OIC -body Region	06	Face	more
V2105 — Primary OIC -aspect	19	Superior/upper	more
V2106 — Primary OIC -lesion	03	Contusion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	FSCI1	_	_
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	_	_	

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	03	Injury #3	more
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	more
V2103 — 2nd Prob Contact Area	38	Other (e.g. fire)	more
V2104 — Primary OIC -body Region	06	Face	more
V2105 — Primary OIC -aspect	12	Left	more
V2106 — Primary OIC -lesion	03	Contusion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	FLCI1	_	_
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	_	_	_

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	04	Injury #4	more
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	18	Forearm	more
V2105 — Primary OIC -aspect	18	Right	more
V2106 — Primary OIC -lesion	03	Contusion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	RRCI1	_	
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	_	_	_

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	05	Injury #5	more
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	18	Forearm	more
V2105 — Primary OIC -aspect	18	Right	more
V2106 — Primary OIC -lesion	01	Abrasion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	RRAI1	_	_
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	_	_	_

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	06	Injury #6	more
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	more
V2103 — 2nd Prob Contact Area	12	Windshield	more
V2104 — Primary OIC -body Region	05	Elbow	more
V2105 — Primary OIC -aspect	18	Right	more
V2106 — Primary OIC -lesion	03	Contusion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	ERCI1	_	
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	_	_	

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	07	Injury #7	more
V2102 — 1st Prob Contact Area	98	Impact force, "whiplash", hyperextension/compression	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	14	Neck	more
V2105 — Primary OIC -aspect	16	Posterior/back	more
V2106 — Primary OIC -lesion	20	Strain	more
V2107 — Primary OIC -system/Organ	13	Muscles	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	NPTM1	_	_
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	_		

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	08	Injury #8	more
V2102 — 1st Prob Contact Area	98	Impact force, "whiplash", hyperextension/compression	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	02	Back	more
V2105 — Primary OIC -aspect	19	Superior/upper	more
V2106 — Primary OIC -lesion	20	Strain	more
V2107 — Primary OIC -system/Organ	13	Muscles	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	BSTM1	_	_
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	_		

#### **Case # 277: Occupant # 1**

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	01	Occupant #1	more
V2002 — Occupant Role At 1st Impact	1	Motor vehicle driver	more
V2003 — Occupant Position -row	1	1st row	more
V2004 — Occupant Position -lateral	1	Left	more
V2005 — Occupant Position -posture	10	Sitting on seat	more
V2006 — Occupant Age In Years	53	<u> </u>	_
V2007 — Occupant Age In Months	25	25 months or older	more
V2008 — Occupant Mass	061 kg	_	_
V2009 — Occupant Height	168 cm	<u> </u>	_
V2010 — Occupant Sex	2	Female	more
V2011 — Occupant Treatment/Mortality	00	None	more
V2012 — Injury Severity Score	03	ISS 3	more
V2013 — Non-impact Med Condition	0	None	more
V2014 — Police Injury Severity	2	B - Non-incapacitating Injury	more
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	more
V2016 — Active Restraint Usage	0	None (available but not used)	more
V2017 — Passive Restraint System	1	Air bag installed	more
V2018 — Passive Restraint Usage	2	Air bag deployed	more
V2019 — Child Seat Type	88	Not applicable (adult or older child)	more
V2020 — Occupant Ejection Degree	0	None	more
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	more
V2022 — Highest OIC Severity	1	Minor	more

V2023 — Head Restraint Available	1	Equipped	more
V2024 — Occupant Eyewear	1	Glasses	more
V2025 — Source of Occupant Info	7	Combination of above	more







































































